

# RAX/RCX TYPE A DUPLEX INTERCOM

## MODELS:

**RA-A,  
RA-B,  
RA-D,  
RA-C,**

Master, Open voice with handset

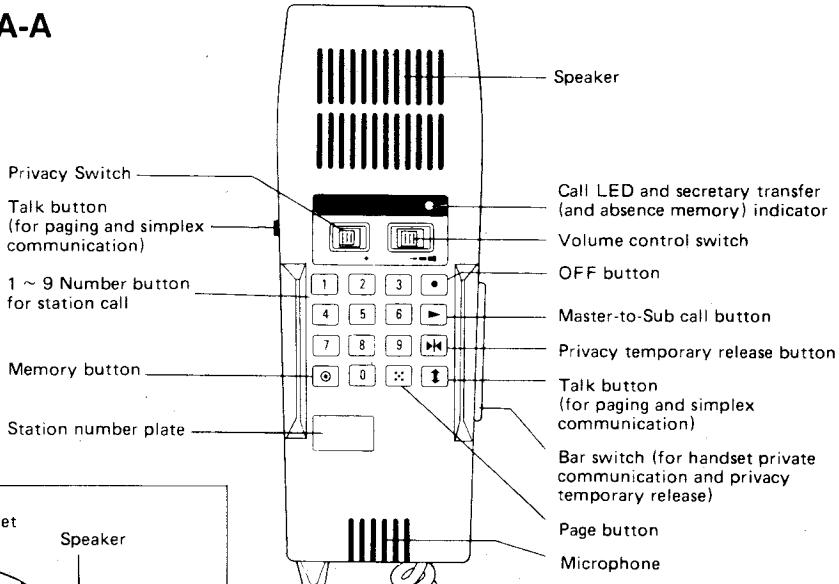
Master, Open voice (Flush-mount)

Master, Speaker-phone type

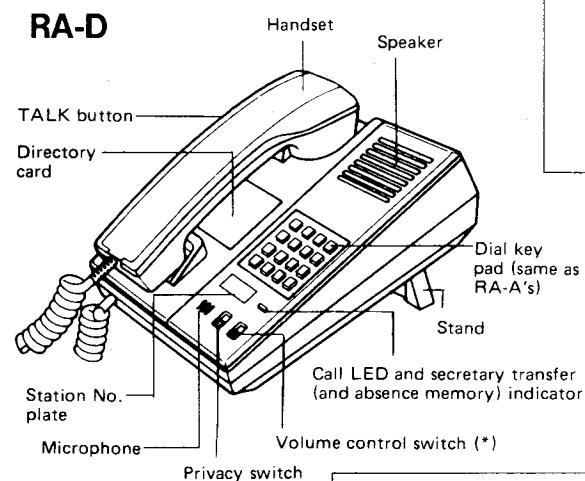
Sub, Open voice (Flush-mount)

## OPERATION INSTRUCTIONS

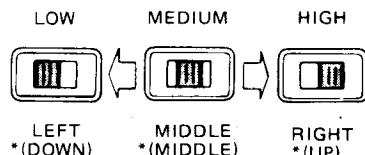
### RA-A



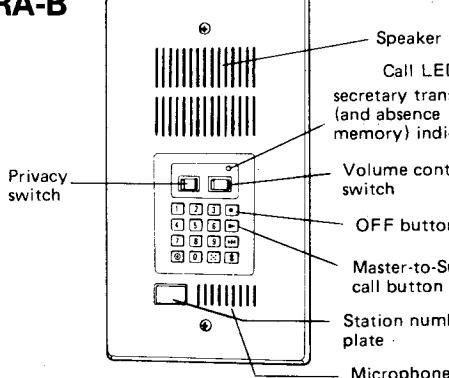
### RA-D



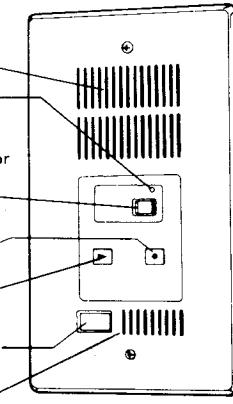
- The call tone & communication volume can be adjusted to three levels.



### RA-B



### RA-C



# 1 CALLING

| OPERATION  | MODE OF THE CALLED STATION   | ACTION   |
|--|--|--|
| <p>Press digit buttons of desired station.</p> <p>[1] [0] for station No.10<br/>[1] [0] [0] for station No.100</p> <p><b>Master/sub communication:</b></p> <ul style="list-style-type: none"> <li>* At RA-C sub, simply press <b>▶</b> button to call master.</li> <li>* At master, press <b>▶</b> button (and, in RCX only, a digit button [1] ~ [9]) to call sub.</li> </ul> | <p>(1) — Single call tone →</p> <p>(2) ■■■ Busy tone →</p> <p>OR</p> <p>(3) ■■ Network busy tone (in RCX only) →</p> <p>(4) — Privacy tone →</p> <p>(5) - - - Absence tone (in RCX only) →</p> <p>OR</p> | <p>Communicate.</p> <p>Press <b>□</b> (OFF) button (or hang up handset in RA-D) to cancell call.</p> <p>Press <b>◎</b> button to leave a request for call back.<br/><b>(Camp-on busy)</b></p> <p>Press <b>0</b> button for urgent break in signal and (for RCX only) press <b>1</b> button to call by voice.</p> <p>Press <b>●</b> (OFF) button.</p> <p>Wait for station to release from privacy mode.</p> <p>Press <b>□</b> (OFF) button to cancell call.</p> <p>Press <b>◎</b> button to leave a request for call back.<br/><b>(Camp-on absence)</b></p> |
|  |  | <p>Press <b>□</b> (OFF) button or hang up handset in RA-D to end communication.</p>  |

# RECEIVING

| MODE OF YOUR STATION                   | CALLING TONE  | ACTION   |
|--|---|--|
| (1) Non-privacy mode                   | Single call tone →                                      | <p>Communicate handsfree.</p> <p>OR</p> <p>At RA-A, pick up the unit and depress the bar switch for private communication.</p> <p>OR</p> <p>At RA-D, pick up handset for private communication.</p>  |
| (2) Privacy mode                       | Privacy call tone →                                     | <p>Momentarily press <b>HK</b> button and communicate handsfree.</p> <p>OR</p> <p>At RA-A, pick up the unit and depress the bar switch for private communication.</p> <p>OR</p> <p>At RA-D, pick up handset for private communication.</p> |
| (3) Communicating with another station | Urgent message break-in signal and call (in RCX only) → | <p>Press <b>◎</b> button to place present communication on hold, and reply.</p> <p>↓</p> <p>Press <b>□</b> button to restore connection to station on hold.</p>  |

**2 PRIVACY**

– To block out incoming calls and prevent monitoring;

\*Setting Privacy mode;

Slide PRIVACY Switch to the right position.

\*Releasing from Privacy mode;

Slide PRIVACY Switch to the left position.

Note: Setting and releasing from Privacy mode must be made while your station is in standby mode.

**3 CALL HOLDING**

– To place present communication on hold;

\*Press  button.

\*Press  button to restore connection to station on hold and resume conversation.

**4 CALL TRANSFER**

– To route incoming calls to another station;

(1) Press  button.

(2) Press number of station where call is to be transferred.

(3) After communication line is established, press  button.

(3) After communication line is established, press  button.

Note: When you have no reply, press  button and resume the initial communication.

**5 SECRETARY TRANSFER (STATION TRANSFER)**

– To have any incoming call to you answered by your secretary;

\*Setting Secretary Transfer mode; Press  button and station number of your secretary.

\*Cancelling Secretary Transfer mode; Press  and  buttons.

**6 SIMPLEX COMMUNICATION**

– When communicating with a station located in a noisy area;

Press  button to talk and release to listen.

**\*WHEN YOUR SYSTEM INCLUDES PAGING FUNCTIONS;****7 ALL PAGE**

– To page all zones in your system through paging speakers;

(1) Press  ,  buttons.

(1) Press  ,  buttons (and  button, if call back is required).

(2) Make announcement while depressing and holding (\*)  button.

(3) Wait for call back. OR If call back is not desired, press  button.

**8 ZONE PAGE**

– To page one zone in your system through paging speakers;

(1) Press  and zone number button (  ~  ).

(1) Press  , zone number button (  ~  button, if call back is required).

(2) Make announcement while depressing and holding  button.

If talkback is included, release (\*)  button to listen.

(3) Wait for call back. OR If call back is not desired, press  button.

**9 CALL BACK TO PAGING (ALL PAGE/ZONE PAGE)**

Press  button at the nearest station.

Press  and  buttons at any station (in a zone paged).

(\*) In RA-A and RA-D, TALK button in handset works for  (TALK) button on the dial key pad.

## 10 ALL CALL

— To page through all intercom stations;

|  |   |
|--|---|
| (1) Press <b>5</b> button.   | (1) Press <b>[:]</b> and <b>0</b> button (and <b>[:]</b> button, if call back is required). |
| (2) Make announcement while depressing and holding <b>1</b> button. (*)        |   |
| (3) Wait for call back. OR If call back is not desired, press <b>•</b> button. |   |

## 11 CALL BACK TO ALL CALL

|   |   |
|---|---|
| (1) Press <b>5</b> button at the nearest station. | (1) Press <b>5</b> and <b>[:]</b> buttons at the nearest station. |
|---|---|

## 12 GROUP CALL

— To page through a group of intercom stations;

|  |  |
|--|--|
|  | (1) Press <b>[:]</b> and a group number button <b>5 ~ 8</b> (and <b>[:]</b> button, if call back is required). |
|  | (2) Make announcement while depressing and holding <b>1</b> button. (*)  |
|  | (3) Wait for call back. OR If call back is not desired, press <b>•</b> button.                                 |

## 13 CALL BACK TO GROUP CALL

|  |  |
|--|--|
|  | (1) Press <b>5</b> and <b>[:]</b> buttons at any station of a group paged. |
|--|--|

\*WHEN YOUR SYSTEM INCLUDES DEVICES, SUCH AS INTERNAL/EXTERNAL LIGHTS, DOOR RELEASE ETC.

## 14 REMOTE OPERATION OF EXTERNAL DEVICES

|   |
|---|
| (1) Press <b>[:]</b> button and zone number button ( <b>1</b> , <b>2</b> , <b>3</b> or <b>4</b> ).  |
| (2) Momentarily press <b>1</b> button. (*)<br>* If you hear intermittent tone, the external device is in ON mode.<br>* If you hear a continuous tone, the external device is in OFF mode. |
| (3) Depress <b>0</b> button to reverse ON/OFF mode of internal/external lights, etc. OR<br>Depress and hold <b>0</b> button to activate electric door release, etc.                       |
| (4) Press <b>•</b> button.  |

## 15 CONFERENCE CALL

— To initiate a conference call;

|  |   |
|--|---|
|  | (1) Press number button of each station to be included and <b>[:]</b> button after each (up to 5 stations).   |
|  | (2) Initiator depresses and holds down (*) <b>1</b> button and begins conversation.   |
|  | (3) The called stations must depress and hold down <b>1</b> button (*) to respond.  |
|  | (4) The called stations press <b>•</b> button to get out of the conference.<br>At conclusion of the conference, initiator must press <b>•</b> button. |

(\*) In RA-A and RA-D, TALK button in handset works for **1** (TALK) button on the dial key pad.

**16 ABSENCE MEMORY**

– To program your station to remember who called during your absence;

- (1) Press **[S]** and **[PK]** buttons.
- (2) Upon your return, red light flickering every other second indicates that you have calls in your station's memory bank.

**17 ABSENCE MEMORY CALL BACK**

– When you noticed fast flickering red light upon your return;

- (1) Press **[S]** button.
- (2) Press **[•]** button at completion of your conversation.
- (3) Repeat process until red light flickers more slowly and all calls have been answered.
- (4) Absence Memory Clear; Press **[S]** and **[0]** buttons to restore your station to normal operation.

**18 MEMORY CLEAR**

– To erase all memory functions except privacy (Camp-on busy, Camp-on absence, Absence memory & Secretary transfer)

Press **[S]** and **[0]** buttons and your station returns to normal operation.

## OPERATIONAL FLOW

| NO. | FUNCTIONS                                 | RAX                               | RCX  |
|-----|---|-----------------------------------|--|
| 1   | STATION CALL                              | [No.] [No.]                       | [No.] [No.] (and [No.] in RCX-88, -128)            |
|     | OFF                                       | [●] or Hang up handset.<br>(RA-D) | [●] or Hang up handset.<br>(RA-D)                  |
|     | CAMP-ON BUSY SET                          | [◎]                               | [◎]  |
|     | CAMP-ON BUSY CLEAR                        | [◎] [0]                           | [◎] [0]  |
|     | URGENT MESSAGE BREAK-IN SIGNAL (and CALL) | [0] (to signal only)              | [0] (to signal) → [↑] (to call by voice)           |
|     | REPLY TO URGENT MESSAGE BREAK-IN          | [◎]                               | [◎]  |
|     | MASTER/SUB COMMUNICATION                  | [▶]                               | [▶] (Sub to master)<br>[▶] [1 ~ 9] (Master to sub) |
| 2   | PRIVACY                                   | [■]                               | [■]  |
|     | NON-PRIVACY                               | [■]                               | [■]  |
|     | TEMPORARY PRIVACY RELEASE                 | [◀]                               | [◀]  |
| 3   | CALL HOLDING                              | [◎] → [◎] or [●] (to return)      | [◎] → [●] (to return)                              |
| 4   | CALL TRANSFER                             | [◎] [No.] [No.] [7]               | [◎] [No.] [No.] ([No.]) [◎]                        |
| 5   | SECRETARY (STATION) TRANSFER SET          | [◎] [No.] [No.]                   | [◎] [No.] [No.] ([No.])                            |
|     | SECRETARY (STATION) TRANSFER CLEAR        | [◎] [0]                           | [◎] [0]  |
| 6   | SIMPLEX COMMUNICATION                     | [↑]                               | [↑]  |
| 7   | ALL PAGE (WITH CALL BACK)                 | [::] [9] [↑]                      | [::] [9] ([::]) [↑]                                |
| 8   | ZONE PAGE (WITH CALL BACK)                | [::] [1 ~ 4] [↑]                  | [::] [1 ~ 4] ([::]) [↑]                            |
| 9   | CALL BACK TO PAGING                       | [6]                               | [6] [::]   |
| 10  | ALL CALL (WITH CALL BACK)                 | [5] [↑]                           | [::] [0] ([::]) [↑]                                |
| 11  | CALL BACK TO ALL CALL                     | [5]                               | [5] [::]   |
| 12  | GROUP CALL (WITH CALL BACK)               |                                   | [::] [5 ~ 8] ([::]) [↑]                            |
| 13  | CALL BACK TO GROUP CALL                   |                                   | [5] [::]   |
| 14  | REMOTE OPERATION                          | [::] [1 ~ 4] [↑] [0]              | [::] [1 ~ 4] [↑] [0]                               |
| 15  | CONFERENCE CALL                           |                                   | (1) [No.] [No.] [::] ... (5) [No.] [No.] [::] [↑]  |
| 16  | ABSENCE MEMORY SET                        |                                   | [◎] [◀]  |
| 17  | ABSENCE MEMORY CALL BACK                  |                                   | [◎]  |
|     | ABSENCE MEMORY CLEAR                      |                                   | [◎] [0]  |
| 18  | CLEAR MEMORY                              | [◎] [0]                           | [◎] [0]  |

# RCX SYSTEM OPTIONS

## 1 DOOR STATIONS

— To receive a call from up to two door stations at either of up to five programmed master stations;

- (1) A call from door station is announced at all programmed master stations by electronic chime.
  - \* If the chime is 4 strokes, the call is from the first door station.  
Press **5** ► buttons.
  - \* If the chime is 2 strokes, the call is from the second door station.  
Press **6** ► buttons.
- (2) Talk handsfree. In RA-A, Pick up the unit and hold the bar switch and, in RA-D, pick up handset for private handset communication. When the door station is situated in a noisy area, you may press **T** (TALK) button to talk and release to listen.
- (3) If your system includes a door release, momentarily press **0** button during communication, which activates the timer circuits for opening the door.
- (4) Press **•** (OFF) button or hang up handset in RA-D to end communication with door station.

## 2 ADDITIONAL PAGING/REMOTE CONTROL

To select any YAW adaptor, press **7** ► buttons.

- (1) When continuous mono tone is heard;

### Paging with YAW-R or YAW-RA;

Press **[:]** button and an adaptor number button (0 ~ 9) (and a zone number button in YAW-RA 1 ~ 8). Make announcement depressing **T** button (and release to listen, if talkback is included). Press **•** button at end of announcement.

#### NOTE:

After selecting an adaptor number for YAW-RA, press zone number buttons (1 ~ 8) in succession for multiple zone page or **◎** button for all page (to 8 zones simultaneously).

### Remote operation of controlling ON/OFF of lights or door release, etc.;

Press **[:]** button and an adaptor number button (0 ~ 9) for YAW-S.

- \* When an intermittent tone is heard, the lighting function is in ON mode.
- \* When a continuous tone is heard, the lighting function is in OFF mode.

Alternate operation: Momentarily press **◎** button to turn on lights. OR  
Momentarily press **[:]** button to turn off lights.

Momentary operation: Press and hold **◎** button down to activate door release, etc.  
Press **•** button.

- (2) When intermittent tone is heard;

It means other station is operating paging or remote control and the channel is occupied. Press **•** button to disconnect and call later.

#### NOTES:

1. It is not possible to operate two or more adaptors at the same time.
2. Paging/remote control operations can be made by master stations RA-A, RA-B and RA-D.

DIRECTORY

## SYSTEM

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